

L17 ANSWER 7 OF 122 HCAPLUS COPYRIGHT 2002 ACS
 AN 2001:192658 HCAPLUS
 DN 134:210397
 TI High-energy and lightweight mixed gas
 IN Gao, Jiaju
 PA Jinguang Industrial Gas Co., Ltd., Shanghai, Peop. Rep. China
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 7 pp.
 CODEN: CNXXEV
 DT Patent
 LA Chinese
 IC ICM C10L003-00
 CC 51-11 (Fossil Fuels, Derivatives, and Related Products)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1260382	A	20000719	CN 1999-113407	19990108
AB	The gas is prep'd. by mixing low-carbon hydrocarbons and lightwt. gas with additive. The ratio of low-carbon hydrocarbon to light gas is (65-95):(5-35), and the addn. of the additive is 0.5-5%. The additive is composed of ester or alc. comp'd. 50-70%, and ketone or aldehyde or/and ether or/and nitromethane or/and 1,2-dichloropropane, CS ₂ and ferrocene 30-50%. The relative d. of the mixed gas is 0.78-0.88, and its heat value 49.8-52.4 mPa kg-1.				
ST	fuel gas hydrocarbon additive				
IT	Fuel gases				
	(high-energy and lightwt. mixed gas)				
IT	Fuel additives				
	(high-energy and lightwt. mixed gas having)				
IT	Alcohols, uses				
	Aldehydes , uses				
	Esters, uses				
	Ethers, uses				
	Hydrocarbons, uses				
	RL: MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); PROC (Process); USES (Uses)				
	(high-energy and lightwt. mixed gas having)				
IT	75-15-0, Carbon disulfide, uses 75-52-5, Nitromethane, uses 78-87-5, 1,2-Dichloropropane 102-54-5, Ferrocene				
	RL: MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); PROC (Process); USES (Uses)				
	(high-energy and lightwt. mixed gas having)				